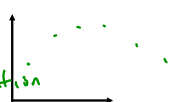


## Ch 3 Review - Two Variable Statistics

One Variable vs. Two Variable

One:

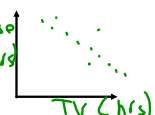
only one piece  
of measured informationAverage hours  $x$  - TV

# of TV hours watched

Two:

improves of information (hrs)

exercise



TV (hrs)

Jan 10-2:14 PM

Effective Surveys

- 10 Tips
- Principles of Effective surveys
  - A. Ethics —  
—  
—
  - B. Designed for honest responses  
—  
—  
—
  - C. Eliminate Bias  
—  
—  
—

Jan 10-2:20 PM

1. State the purpose of the survey.
2. Provide instructions for answering the survey.
3. Keep the questions short and clear.
4. Ask questions that are easily answered.
5. Ensure your questions are not biased.
6. If providing a list of possible answers, cover the entire range of answers but keep the list short.
7. Make sure your questionnaire flows.
8. Use plain English.
9. Avoid asking for personal information unless it is important to the study.
10. Test the survey.

Jan 13-9:34 AM

Analyzing Data

- Line of Best Fit

$$y \sim ax_1 + b$$

- Linear Correlation

$$R = \begin{matrix} + \\ - \end{matrix} \quad 0.86 \quad 0.63$$

Jan 10-2:25 PM

Hmk

p.190 and 191

q.1-13

Jan 13-9:31 AM